Abbeville Field Office Technical Guide Section II-A April 2002

#### Physical Properties of the Soils

#### Henry County, Alabama

NOTE: Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map symbol	   Depth	   Sand	   Silt	   Clay	   Moist	   Permea-	  Available	   Linear	   Organic	Erosi	on fac	tors	s Wind   _ erodi-   bility   group	Wind  erodi-
and soil name	 	 	 	 	bulk   density	bility   (Ksat)	water  capacity 		matter 	Kw	   Kf			
	In	Pct	Pct	Pct	g/cc	   In/hr	   In/in	Pct	Pct	<u> </u>	' 	'		
AbB: Albany	   0-48   48-62	     	     			     5.95-19.98   1.98-5.95				.10	     .10   .20	     5 	     2 	     134 
BmA: Bigbee	0-11   11-65	   	   			   5.95-19.98   5.95-19.98			0.5-2.0	1 .10	.10   .17	     5 	   	
Muckalee	   0-6   6-72	   	   			0.57-1.98			2.0-6.0	1 .20	1 .20	   5 	3	   86 
BnB: Bonifay	     0-54   54-73	     	     			     5.95-19.98   0.57-1.98			   0.5-3.0   0.0-0.5	1 .10	     .10   .24	     5 	     2 	     134 
BoA: Bonneau	     0-23   23-68	     	     			     5.95-19.98   0.57-1.98				.10	     .10   .20	     5 	     2 	     134 
CaA: Clarendon	   0-10   10-26   26-62	     	     	18-35	1.40-1.60	   1.98-5.95   0.57-1.98   0.20-0.57	0.10-0.15	0.0-2.9	0.0-0.5	1 . 2 0	   .15   .20   .15	     5 	   3 	     86   
CoB2: Conecuh	0-4 4-54 54-72	     	     			   0.57-1.98   0.00-0.06   0.00-0.00				   .28   .32 	   .28   .32 	     5 	     3 	     86 
CoD2: Conecuh	   0-4   4-54   54-72	     	 		   1.40-1.60   1.30-1.55 	   0.57-1.98   0.00-0.06   0.00-0.00			   0.5-2.0   0.0-0.5 	   .28   .32 	   .28   .32 	     5   	     3 	     86 
DAM: Dam	     <b></b> 	     	     	     	   	     	     	     	     	   	     	     – 	     	     

Map symbol	   Depth	   Sand	   Silt	   Clay	     Moist	bility	  Available    water    capacity		   Organic		on fac		erodi-	Wind - erodi-
and soil name     		   	 	 	bulk     density					   Kw	   Kf		bility b:  group  i: 	
	In	Pct	Pct	Pct	''   g/cc	In/hr	In/in	Pct	Pct	' 	' 	¦		<u> </u>
DoA:		 	 	 					 		 	1		
Dothan	0-9	· 	 	I 10-18	ı I1 30-1 701	1.98-5.95	I IO 08-0 13	I	0.5-1.0	1 .24	1 .24	15	1 3	1 86
Boenan	9-32					0.57-1.98				1 .28	1 .28		1	1
	32-80	i				0.20-0.57					.28	İ	i	İ
DoB:		 	 	 	 				 	 	 	 	 	1
Dothan	0-9			10-18	1.30-1.70	1.98-5.95	0.08-0.13	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	9-32			18-35	1.40-1.60	0.57-1.98	0.12-0.16	0.0-2.9		.28	.28			
	32-80			18-40	1.45-1.70	0.20-0.57	0.08-0.12	0.0-2.9		.28	.28	1		
DuB:		 	 	 										
Dothan	0-9					1.98-5.95			0.5-1.0	.24	.24	5	3	86
	9-32					0.57-1.98				1.28	.28			
	32-80			18-40	1.45-1.70	0.20-0.57	0.08-0.12	0.0-2.9		.28	.28	1		1
Urban Land	0-6											<u> </u>		ļ
FaB2:		 	 	 										
Faceville	0 - 4			5-20	1.40-1.65	5.95-19.98	0.06-0.09	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	4-9					0.57-1.98				.37	.37			
	9-65			35-55	1.25-1.60	0.57-1.98	0.12-0.18	0.0-2.9		.37	.37	Į.		
FnD2:			 	! 								i		
Faceville						5.95-19.98			0.5-2.0	.28	.28	5	3	86
	4-9					0.57-1.98				.37	.37			
	9-65			35-55	1.25-1.60	0.57-1.98	0.12-0.18	0.0-2.9		.37	.37	1		1
Nankin	0-9		' 	5-12	  1.45-1.65	1.98-5.95	0.05-0.10	0.0-2.9	0.5-1.0	.17	.17	3	2	1 134
	9-54			35-50	1.30-1.70	0.20-0.57	0.11-0.16	0.0-2.9		.24	.24			
	54-65			15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9		.24	.24		1	
FuB:		 	 	 										
Fuquay	0-32			2-10	1.60-1.70	5.95-19.98	0.04-0.09	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	32-41					0.57-1.98				.20	.20			
	41-65			20-35	1.40-1.60	0.06-0.20	0.10-0.13	0.0-2.9		.20	.20	1		
GoA:			 	 								i		
Goldsboro	0-8					5.95-19.98			0.5-2.0	.17	.17	5	2	134
	8-19					0.57-1.98				.24	.24			
	19-65			20-34	1.30-1.40	0.57-1.98	0.11-0.20	0.0-2.9	0.0-0.2	.24	.24		 	1
GrA:				 	·								i	
Greenville						0.57-5.95			0.5-2.0	.24	.24	5	3	86
	5-72	1		1 25 55	11 25 1 551	0.57-1.98	10 11 0 10		1.0.0-0.5	1.17	1.17	1		1

Map symbol	   Depth	   Sand	   Silt	   Clay	   Moist	bility	Available       water	extensi-	   Organic	Erosi	on fac		erodi-	Wind  erodi-
and soil name	 	 	 	    -	bulk     density					   Kw	   Kf		bility   group   	bility  index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct	<u> </u>	! !	<u>'</u>	<u> </u>	! !
GrB:	 		 	 	 			 	 	1		 		 
Greenville	0-5 5-72		 			0.57-5.95 0.57-1.98			0.5-2.0	.24	.24	5   5	3	86 
KoB:			İ	 	i i				İ	İ				İ
Kolomoki	0-13   13-35					1.98-5.95 0.57-1.98			0.5-3.0	1.24	1.32	4	3	86
	1 35-48					0.57-1.98		•			1 .28	l I	 	 
	48-64		i			0.57-1.98				1.24		İ	İ	İ
LbB:	 		 	 	 			 	 			 		 
Lucy	0-25				1.30-1.70				0.5-1.0	.10	.10	5	2	134
	25-35					1.98-5.95				.24	.24			
	35-65 			20 <b>-</b> 45	1.40-1.60	0.57-1.98	0.12-0.14	0.0-2.9 		1 .28	<b>.</b> 28	 		 
LnD:		İ	ĺ	İ	i i		İ		i .	İ	İ	I	İ	İ
Lucy	0-25 1 25-35				1.30-1.70				0.5-1.0	1.10	1.24	5	2	134
	25-35   35-65					1.98-5.95 0.57-1.98					1 .24	l I	 	 
	33 03		! 	20 45		0.57 1.50		0.0 2.5		1 .20	.20			
Nankin	0-9					1.98-5.95		•	0.5-1.0	1.17	.17	3	2	134
	9-54					0.20-0.57				.24	.24			
	54-65 			15-35 	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9 		.24	.24	l I		 
LnE:		İ	i		i i		İ			i	<u> </u>	İ	İ	İ
Lucy	0-25					5.95-19.98			0.5-1.0	.10	.10	5	2	134
	25-35				1 1	1.98-5.95				.24	.24			
	35-65 			20-45 	1.40-1.60	0.57-1.98	10.12-0.14	0.0-2.9 		1 .28	1 .28	l I	 	 
Nankin	0-9	i	i	5-12	1.45-1.65	1.98-5.95	0.05-0.10	0.0-2.9	0.5-1.0	.17	.17	3	2	134
	9-54					0.20-0.57				.24	.24	l		
	54 <b>-</b> 65			15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9		.24	.24	 		1
MaA:	! 		İ	! 	i i					i		İ		
Mantachie	0-8					0.57-1.98			1.0-3.0	.28	.28	5		
	8-64			18-34	1.50-1.60	0.57-1.98	0.14-0.20	0.0-2.9		.28	.28	 		
MgA:	! 		İ	 	i i					i		İ		
Meggett	0-13				1.20-1.40				2.0-8.0	1.28	.28	5	6	48
	13-23					0.06-0.20		•		1.32	1 .32			
	23-48   48-63					0.06-0.20 0.06-0.57					.32   .28	I I	 	 
	10 03		İ	23 30		0.00 0.57		3.0 3.7		.20	.20			
MuA:	Ι		I	l	1			Ι	l	1		1	1	1
Muckalee	0-6   6-72					0.57-1.98 0.57-1.98		•	2.0-6.0	1.20	1.20	5	3	86
	υ – / Z			ı 5-20	11.33-1.30	0.37-1.98	10.00-0.12	1 0.0-2.9		1 .20	1 .20	I I	1	 

Map symbol   I and soil name   		   Sand	   Silt	   Clay	   Moist		  Available	•	   Organic	i	on fac		erodi-	Wind  erodi-
	   	   	   		bulk     density		water    capacity   		matter   		   Kf 		bility  group 	
	   In	Pct	Pct	Pct	   g/cc	In/hr	In/in	Pct	Pct	- i	i	i	i	
NaB2:	  -		[	 	 		 	 		1			1	
Nankin	0-4			20-30	  1.45-1.60	0.57-1.98	0.10-0.13	0.0-2.9		.32	.32	3	5	56
	4-47					0.20-0.57				.24	.24			
	47-65			15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9		.24	.24		1	
NaD2:	 		 	 				 				i		
Nankin	0-4					0.57-1.98				1.32	.32	3	5	56
	4-47					0.20-0.57				.24	.24			ļ
	47-65 			15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9		1.24	.24		1	
NcE:	 	İ	İ		' 				İ	i	İ	i	İ	İ
Nankin	0-9				1.45-1.65		10.05-0.10		0.5-1.0	.17	.17	3	1 2	134
	9-54   54-65					0.20-0.57 0.57-1.98				1 .24	.24			
	54-65 		 	15 <b>-</b> 35	1.60-1.70  	0.57-1.98	10.10-0.15	0.0-2.9 		.24 	•24 		1	 
Conecuh	0-5			4-14	1.40-1.65	0.57-1.98	0.06-0.11	0.0-2.9	0.5-2.0	1.15	.15	5	2	134
	5-31			45-70	1.30-1.55	0.00-0.06	0.08-0.19	6.0-8.9	0.0-0.5	1.32	.32			
	31-65					0.00-0.00								
NnE:	 	 	 	 				 	 		 			 
Nankin	0-9					1.98-5.95		•	0.5-1.0	1.17	.17	3	1 2	134
	9-17					0.57-1.98				.24	.24			
	17-54					0.20-0.57				.24	.24		1	1
	54-65 			15-35 	1.60-1.70  	0.57-1.98	10.10-0.15	0.0-2.9 		1 .24	.24		1	
Lucy	0-25			1-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	1.10	.10	5	2	134
-	25-35			10-30	1.40-1.60	1.98-5.95	0.10-0.12	0.0-2.9		.24	.24	ĺ	İ	İ
	35-65			20-45	1.40-1.60	0.57-1.98	0.12-0.14	0.0-2.9		1.28	.28	ļ.		l
NoA:	 	 	l I	 	 		 	 	 	1	 		1	 
Norfolk	0-10			2-8	1.55-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-2.0	1.17	.17	5	2	134
	10-35			18-35	1.30-1.65	0.57-1.98	0.10-0.18	0.0-2.9	0.0-0.5	.24	.24	ĺ	İ	İ
	35-62			20-43	1.20-1.65	0.57-1.98	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24	!		
NoB:	 	 	l I	 			 	 	 	1	 		1	 
Norfolk	0-10			2-8	1.55-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-2.0	1.17	.17	5	2	134
	10-35					0.57-1.98			0.0-0.5	.24	.24			
	35-62			20-43	1.20-1.65	0.57-1.98	0.12-0.18	0.0-2.9	0.0-0.5	.24	.24			
OrA:	 	 	I I	 	ı   		 	 	 	I I	 		1	 
Orangeburg	0-10			7-15	1.30-1.50	1.98-5.95	0.07-0.10	0.0-2.9	0.5-2.0	.20	.20	5	3	86
· -	10-20					0.57-1.98			i	.24	.24			
	20-60			20-45	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9		.24	.24			

Map symbol	   Depth	   Sand	   Silt	   Clay	   Moist	bility	  Available	Linear	   Organic	Erosi	on fac		Wind  erodi-	Wind  erodi-
and soil name	    -	   	   	   	bulk     density   		water    capacity   		•		   Kf 		bility b:  group  i: 	
	   In	Pct	Pct	Pct	g/cc	In/hr	   In/in	Pct	Pct	<u> </u>	' !	<u>'</u>	' !	<u> </u>
OrB:	 	 	 	 	 		 				 	 	 	
Orangeburg	•	i	i			1.98-5.95			0.5-2.0	.20	.20	5	3	86
	10-20   20-60					0.57-1.98 0.57-1.98				1 .24	.24			
	20-00		 	20-45	1.00-1.75	0.37-1.90		0.0-2.9		•24	.24			
Ouc:						1 00 5 05								
Orangeburg	0-10   10-20		 			1.98-5.95 0.57-1.98			0.5-2.0	1.20	.20 .24	5 	3	86
	20-60	i				0.57-1.98				.24	.24	İ	İ	
Urban Land	   0-6	 	 	 	 		 			 	 	   –	 	
PaA:	 		 	 							 		 	
Paxville	0-10		 	8-25	1.30-1.40	1.98-5.95	  0.12-0.16	0.0-2.9	2.0-10	.20	.20	4	3	86
	10-56			•		0.57-1.98					.15		1	
	56-65			2-12	1.30-1.60	5.95-19.98	0.05-0.08	0.0-2.9	0.5-1.0	.10	.10		 	
Pb:	 		 	 										
Pits,borrow	0-60		 	 								-	8 	I 0
Pm:										į			     8	
Pits, Mines	0-60 		 	 	 							- 	8 	0 
RbA:		İ	İ		i					İ	ĺ	İ _	ĺ	
Red Bay	0-7   7-13		 			1.98-5.95 0.57-5.95				.20   .15	.20   .15	5	3	86
	1 13-45		 			0.57-1.98			'	1 .17	1 .17	! 	! 	
	45-65	i		20-45	1.40-1.60	0.57-1.98	0.11-0.14	0.0-2.9	i	.24	.24	İ	į	İ
RbB:	 	 	 	 	 		 				 	 	 	
Red Bay	0-7	i				1.98-5.95			0.5-2.0	.20	.20	5	3	86
	7-13			•		0.57-5.95				.15	.15			
	13-45   45-65		 			0.57-1.98 0.57-1.98				1.17	.17   .24	 	 	
D. D	l	1	l											
RvB: Riverview	I I 0-6		 	I I 4–18	I I1.30-1.60I	0.57-1.98	l l 0 . 12=0 . 18 l	0.0-2.9	0.5-2.0	1 .24	I I .24	I I 5	I I 3	I 86
112 / 02 / 20 11	6-72					0.57-1.98				.24	.24			
TrB:	 	 	 	 	 		 				 	 	 	
Troup	0-44					5.95-19.98			0.5-1.0	1.10	.10	5	2	134
	44-65 		 	15-35 	1.40-1.60  	0.57-1.98	0.10-0.13  	0.0-2.9		1.20	.20 	 	 	
TrD:	i	i	i	i					i	İ	İ	İ	i i	i
Troup	0-44   44-65		 			5.95-19.98 0.57-1.98				1.10	1 .10	5	2	134
	44-65 		ı I	10-35	1.4U-1.6U	0.3/-1.98	U . I U = U . I 3	0.0-2.9		ı .∠∪ I	ı .∠∪ I	I I	I I	I 

Map symbol	Depth	   Sand	   Silt	   Clay	   Moist	Permea-	  Available	   Linear	   Organic	Erosi	on fac	tors		Wind  erodi-
and soil name	=				bulk	bility	water	extensi-	matter			Ī	bility	bility
		1			density	(Ksat)	capacity	bility		Kw	Kf	T	group	index
	In	Pct	Pct	Pct	   g/cc	In/hr	In/in	Pct	Pct	·	! 	¦		·
TsE:		 	 	 			 		 		 	 		
Troup	0 - 44					5.95-19.98			0.5-1.0	1.10	.10	5	2	134
	44-65			15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9		1.20	.20			
Nankin	0-9				  1.45-1.65				0.5-1.0	1.17	.17	3	1 2	1 134
I	9-54			35-50	1.30-1.70	0.20-0.57	0.11-0.16	0.0-2.9		.24	.24			
	54-65			15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9		.24	.24		1	
TuB2:				! 			 							
Tumbleton	0 - 4			5-20	1.50-1.70	5.95-19.98	0.08-0.13	0.0-2.9	0.5-2.0	1.20	.20	4	3	86
I	4-10			25-45	1.40-1.65	0.57-1.98	0.07-0.14	3.0-5.9	0.5-1.0	1.32	.32			
I	10-49					0.06-0.20			0.0-0.5	1.32	.32			
I	49-56					0.06-0.57	•		0.0-0.5	1.32	.32			
	56-72				1.35-1.75	0.06-0.57	0.07-0.12	0.0-2.9	0.0-0.5	1.32			1	
TyD:				 			 							
Tumbleton	0 - 4					5.95-19.98			0.5-2.0	1.20	.20	4	3	86
I	4-10				1 1	0.57-1.98			0.5-1.0	1.32	.32			
I	10-49					0.06-0.20	•		0.0-0.5	1.32	.32			
I	49-56					0.06-0.57			0.0-0.5	1.32	.32			
	56-72				1.35-1.75	0.06-0.57	0.07-0.12	0.0-2.9	0.0-0.5	1.32			1	
Fuquay	0-32			2-10	  1.60-1.70	5.95-19.98	0.04-0.09	0.0-2.9	0.5-2.0	1.10	.10	5	2	134
I	32-41			10-35	1.40-1.60	0.57-1.98	0.12-0.15	0.0-2.9		1.20	.20			
	41-65			20-35	1.40-1.60	0.06-0.20	0.10-0.13	0.0-2.9		1.20	.20		1	
YMA:		 	 	 			 							
Yonges	0-14			7-18	1.30-1.60	0.57-1.98	0.11-0.14	0.0-2.9	1.0-5.0	1.20	.20	5	3	86
I	14-53			18-40	1.30-1.60	0.20-0.57	0.13-0.18	0.0-2.9		.17	.17			
	53-72			10-35	1.30-1.50	0.57-1.98	0.12-0.16	0.0-2.9		1.20	.20			
Muckalee	0-6			5-20	  1.35-1.45	0.57-1.98	0.08-0.12	0.0-2.9	2.0-6.0	1.20	1 .20	5	3	86
	6-72			5-20	1.35-1.50	0.57-1.98	0.08-0.12	0.0-2.9		1.20	.20		1	
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